

1 INTRODUCTION

This Construction Quality Assurance Plan (CQAP) for the cleanup of two polychlorinated biphenyl (PCB) sediment deposits (denoted the Upriver Dam Cleanup Project) located in Spokane County, Washington is one of the elements of the Draft Final Design Submittal for Deposit 1 near Upriver Dam (Deposit 1) and Deposit 2 near Donkey Island (Deposit 2) (depicted on Figure 1). This CQAP was prepared to comply with the requirements described in the Consent Decree (CD) executed in August 2005 between Washington State Department of Ecology (Ecology) and Avista Development, Inc. (Avista), which is included as an exhibit to the Cleanup Action Plan (CAP) prepared by Ecology for the site (Ecology 2005). Remedial design/remedial action (RD/RA) activities will be performed in compliance with the Washington Administrative Code (WAC), Washington's Sediment Management Standards (SMS) (Ecology 1995; WAC 173-204), and the Model Toxics Control Act (MTCA) (Ecology 2001; WAC 173-340), as set forth in the CD. This CQAP has been prepared on behalf of Avista and specifically addresses Deposit 1 and Deposit 2.

The purpose of this CQAP is to describe how construction will ensure implementation of the Upriver Dam Cleanup Project requirements. This document identifies the quality assurance/quality control (QA/QC) steps to be used in construction management, including monitoring actions, reporting mechanisms, and documentation formats. It also presents how environmental monitoring will be performed and how modifications to the construction procedures will be directed, as necessary, in response to results of monitoring actions. Further, it delineates the quality assurance methods and protocols for project personnel to ensure they have a complete understanding of monitoring, feedback, and adjustment mechanisms.

The Remedial Action Contractor (Contractor) will use this CQAP, together with the contract plans and specifications, to develop a Remedial Action Construction Schedule, Construction Quality Control (CQC) Plan, Contractor Health and Safety Plan (CHASP), Environmental Protection Plan (EPP), and Results of Testing of Imported Materials. Table 1 lists Contractor submittals relevant to the CQAP.

The remaining sections of this CQAP specify the following project elements:

- **Section 2.** The responsibilities and authorities of key project personnel, contractors, and all organizations involved in the construction or oversight of the remedial action.

- **Section 3.** The qualifications of necessary personnel, the Contractor, and subcontractors, including qualifications of the CQC Supervisor.
- **Section 4.** Remedial action construction elements, including potential issues, concerns and solutions, equipment, monitoring and maintenance, and corrective actions.
- **Section 5.** Documentation requirements for construction quality assurance activities, including daily summary reports, as well as procedures, documentation, and reporting for project modifications and change orders.

